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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/720,384
				Filing Date	December 21, 2000
				First Named Inventor	Saverio Carl Falco et al.
				Group Art Unit	Unknown
				Examiner Name	Unknown
				Attorney Docket Number	BB1167B US PCT
Sheet	1	of	2		

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PTB	1.	FRANK W. SMITH ET AL., PNAS, vol. 92:9373-9377, 9/1995, Plant Members of a Family of Sulfate Transporters Reveal Functional Subtypes	
		ANGELO BOLCHI ET AL., Plant Mol. Biology, vol. 39:527-537, 1999, Coordinate Modulation of Maize Sulfate Permease and ATP Sulfurylase mRNAs in Response to Variations in Sulfur Nutritional Status: Stereospecific Down-Regulation by L-Cysteine	
	✓	AMIT SETYA ET AL., PNAS, vol. 93:13383-13388, 11/96, Sulfate Reduction in Higher Plants: Molecular Evidence for a Novel 5'-adenylylsulfate Reductase	
	✓	KEIKO YONEKURA-SAKAKIBARA ET AL., J. Biochem., vol. 124:615-621, 1998, Molecular Characterization of Tobacco Sulfite Reductase: Enzyme Purification, Gene Cloning, and Gene Expression Analysis	✓
	✓	KAZUKI SAITO ET AL., J. Biol. Chem., vol. 270(27):16321-16326, 7/7/1995, Molecular Cloning and Characterization of a Plant Serine Acetyltransferase Playing a Regulatory Role in Cysteine Biosynthesis from Watermelon	
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2832300, 8/10/98, ARZ, H.E., A cDNA for Adenylyl Sulphate (APS)-kinase from Arabidopsis Thaliana	
	✓	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1076283, 12/7/99, ARZ, H.E. ET AL., A cDNA for Adenylyl Sulphate (APS)-kinase from Arabidopsis Thaliana	
	✓	HILDEGARD E. ARZ ET AL., Biochimica et Biophysica Acta, vol. 1218:447-452, 1994, A cDNA for Adenylyl Sulphate (APS)-kinase from Arabidopsis Thaliana	
	✓	JULIE ANN BICK ET AL., Current Opinion in Plant Biol., vol. 1(3):240-244, 6/1998, Plant Sulfur Metabolism - the Reduction of Sulfate to Sulfite	
	✓	SANDRA SCHIFFMANN ET AL., FEBS Letters, vol. 355:229-232, 1994, APS-Sulfotransferase Activity is Identical to Higher Plant APS-kinase	
	✓	AJAY JAIN ET AL., Plant Phys., vol. 105:771-772, 1994, A cDNA Clone for 5'-Adenylylphosphosulfate Kinase from Arabidopsis Thaliana	

Examiner Signature	Phuong Bui	Date Considered	12/26/02
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RTB	1	CHEN, Y ET AL., Plant Phys.- Suppl., vol. 108(2):72, 6/1995, Sulfate-Regulated Expression of ATP Sulfurylase and Adenosine-5'-Phosphosulfate Kinase in Brassica Juncea	
↓	1	SANGMAN LEE ET AL., Biochem. and Biophys. Res. Comm., vol. 247:171-175, 1998, APS Kinase from Arabidopsis thaliana: Genomic Organization, Expression, and Kinetic Analysis of the Recombinant Enzyme	
↓	1	WALBOT, V., EMBL ACCESSION NO. AI637166, 4/27/99, Maize ESTs from Various cDNA Libraries Sequenced at Stanford University, XP002123195	

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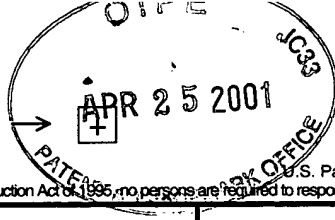
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MB	1	SENTA HEISS ET AL., Plant Molecular Biology, vol. 39:847-857, 1999, Cloning sulfur assimilation genes of Brassica juncea L.: cadmium differentially affects the expression of a putative low-affinity sulfate transporter and isoforms of ATP sulfurylase and APS reductase	✓
	1	JOHN L. WRAY ET AL., Chemo-Biological Interactions, vol. 109:153-167, 1998, Redefining reductive sulfate assimilation in higher plants: a role for APS reductase, a new member of the thioredoxin superfamily?	✓
	1	JULIE ANN BICK ET AL., Current Opinion in Plant Biology, vol. 1(3):240-244, 1998, Plant sulfur metabolism - the reduction of sulfate to sulfite	✓
	1	JULIE-ANN BICK ET AL., PNAS, vol. 95:8404-8409, 1998, Glutaredoxin function for the carboxyl-terminal domain of the plant-type 5'-adenylylsulfate reductase	✓
	1	JOSE F. GUTIERREZ-MARCOS ET AL., PNAS, vol. 93:13377-13382, 11/1996, Three members of a novel small gene-family from Arabidopsis thaliana able to complement functionality an Escherichia coli mutant defective in PAPS reductase activity encode proteins with a thioredoxin-like domain and "APS reductase" activity	✓
	1	AMIT SETYA ET AL., PNAS, vol. 93:13383-13388, 11/1996, Sulfate reduction in higher plants: Molecular evidence for a novel 5'-adenylylsulfate reductase	✓
	1	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: C27405, 08-06-1997, SASAKI, T. ET AL., Rice cDNA from callus, XP-00212812	✓
	1	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: af071890, 06-29-1998, mbeguie-A-mbeguie d. et al., Molecular cloning and partial nucleotide sequence of a sulfite reductase from apricot fruit, XP-002128211	✓
	1	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D50679, 12-01-1997, IDEGUCHI, T. ET AL., cDNA cloning and functional expression of ferredoxin-dependent sulfite reductase from maize in E. coli cells, XP-002128212	✓
	1	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: O23813, 01/01/98, IDEGUCHI, T. ET AL.	✓
	1	CHRISTIANE BORK ET AL., Gene, vol. 212:147-153, 1998, Isolation and characterization of a gene for assimilatory sulfite reductase from Arabidopsis thaliana	✓

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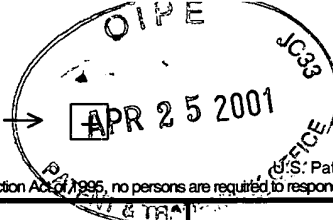
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PTB		ANDREAS BRUHL ET AL., Biochimia et Biophysica Acta, vol. 1295:119-124, 1996, A cDNA clone from Arabidopsis thaliana encoding plastidic ferredoxin: sulfite reductase	
		DATABASE WPI, DERWENT PUBL., LTD., JP-62 455773, MITSUBISHI CORP., 9/6/94, XP-002121814	
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: AU068082, 06/07/99, SASAKI, T. ET AL., Rice cDNA from callus, XP-002128630	
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: AQ688702, 07/02/99, YU, Y. ET AL., A BAC End sequencing framework to sequence the rice genome, XP-002128631	
		SAITO, K., Stress Responses of Photosynthetic organisms, 1998, pgs. 215-226, Molecular Aspects of Sulfur Assimilation and Acclimation to Sulfur Supply in Plants	
		KAZUKI SAITO ET AL., Plant Phys., vol. 106:887-895, 1994, Modulation of Cystine Biosynthesis in Chloroplasts of Transgenic Tobacco Overexpressing Cystein Synthase [O-Acetylserine(thiol)-lyase] ¹	
		KAZUKI SAITO ET AL., Comptes Rendu De L'Academie Des Sciences, vol. 319:969-973, 1996, Molecular characterization of cysteine biosynthetic enzymes in plants	
		YOO, B. ET AL., Plant Phys. suppl., vol. 114:267, 1997, Regulation of recombinant soybean serine acetyltransferase by CDPK	
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: p93544, 05-01-97, SAITO, K. ET AL., XP-002128628	
		EMBL SEQUENCE LIBRARY DATA ACCESSION NO: C26373, 08-06-97, SASAKI, T. Rice cDNA from callus, XP-002128627	
		MICHAEL A. ROBERTS ET AL., Plant Molecular biology, vol. 30:1041-1049, 1996, Cloning and characterisation of an Arabidopsis thaliana cDNA clone encoding an organellar isoform of serine acetyltransferase	
		KAZUKI SAITO ET AL., Journ. of Biol. Chem., vol. 270(27):16321-16326, 1995, Molecular cloning and characterization of a Plant Serine acetyltransferase playing a regulatory role in cystein biosynthesis from watermelon	

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PTB	1	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D89631, 07-30-97, SOHLBERG, L.E. ET AL., Nucleotide Sequence of a cDNA encoding a Cys proteinase from germinating bean cotyledons, XP-002129910	✓
	✓	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: O49307, 06-01-98, FEDERSPIEL, N.A. ET AL., XP-002129911	✓
	✓	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D25000, 11-30-93, MINOBE, Y. ET AL., Rice cDNA from root, XP-002129912	✓
	✓	FRANK W. SMITH ET AL., PNAS, Vol. 92:9373-9377, 9/1995, Plant members of a family of sulfate transporters reveal functional subtypes, XP-002129913	✓
	✓	HIDEKI TAKAHASHI ET AL., Plant & Cell Phys., vol. 39 suppl, pp.S148, 1998, Antisense repression of sulfate transporter in transgenic Arabidopsis thaliana plants, XP-002121793	✓
	✓	HIDEKI TAKAHASHI ET AL., PNAS, vol. 94:11102-11197, 9/1997, Regulation of sulfur assimilation in higher plants: A sulfate transporter induced in sulfate-starved roots plays a central role in Arabidopsis thaliana	✓
	✓	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: X96761, 03-25-97, NG, A. ET AL., Isolation & characterization of a lowly expressed cDNA from the resurrection grass Sporobolus stapfianus with homology to eukaryote sulfate transporter proteins, XP-002121791	✓
	✓	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: AF016306, 01-08-1998, BOLCHI, A. ET AL., Coordinate modulation of maize sulfate permease and ATP sulfate permease and ATP sulfurylase mRNAs in response to variations in sulfur nutritional status: stereospecific down-regulation by L-cysteine, XP-002121790	✓
	✓	EMBL SEQUENCE DATA LIBRARY ACCESSION NO: O48889, 06-01-1998, BOLCHI, A. ET AL.	✓
	✓	FRANK W. SMITH ET AL., The Plant Journal, vol. 12(4):875-884, 1997, Regulation of expression of a cDNA from barley roots encoding a high affinity sulphate transporter, XP-002129909	✓
✓	✓	ANTJE PRIOR ET AL., Biochimica et Biophysica Acta, vol. 1430:25-38, 1999, Structural and kinetic properties of adenylyl sulfate reductase from Catharanthus roseus cell cultures	✓

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